Job No: QECD/BBMP/YNK/QC-15/2019-2020/01

Test Report

Project Name	:	Improvements to Main and Cross Road at Bharth Gowda Layout and GKVK Layout in Kempegowda Ward No-01 of Yelahanka Sub Division.
Client	:	The Asst Executive Engineer, Yelahanka Sub Division
Mix Type	:	Granular sub Base
Contractor	:	Sri.Keerthi N
Test Method	:	IS : 2386 (Part - 1) 1963 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	:	Bharth Gowda Layout
Material	:	40mm Coarse Aggregates
Sample No	:	1
Date	:	6-Jul-2020

Weight of Sample: 4000 gms

Aggregate Gradation Test

Sl. No.	I.S. Sieve size (mm)	Weight Retained (gm)	Percentage of weight Retained (%)	Cumulative Percentage of weight retained	Cumulative % of Passing		Remarks
					Test Result	Gradation Limits as per MORT&H	
1	75	0	0	0.00	100	100	Gradation satisfies the MORT&H Specification for GSB
2	53	400	10.00	10.00	90.00	80-100	
3	26.5	700	17.50	27.50	72.50	55-90	
4	9.5	900	22.50	50.00	50.00	35-65	
5	4.75	400	10.00	60.00	40.00	25-55	
6	2.36	400	10.00	70.00	30.00	20-40	
7	0.425	700	17.50	87.50	12.50	10-15	
8	0.075	400	10.00	97.50	2.50	<5	

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For Qualiex Civil Design & Consultancy

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Liquid and Plastic Limit by Cone Apparatus

Sl No	Description	Unit	Liquid Limit	Plastic Limit
	Penetration	mm		
1	Container No	no		
2	Weight of container,(A)	gm		
3	Weight of container + wet soil, (B)	gm		
4	Weight of container + dry soil, (C)	gm	**Non Plastic**	**Non Plastic**
5	Weight of water, D=(B - C)	gm		
6	Weight of dry soil, E=(C - A)	gm		
7	Water Content, D/E x 100 (%)	gm		

Comments: <6 so Non Plastic

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